

Supplementary material

Table S1. Site selection details of jackal prey preference from a literature review spanning 56 years of study of black-backed jackals (43 different times and places) and 41 years of study of golden jackals (19 different times or places).

Country	Site	Year	Season	Site #	Scats	# prey species	# preferred	# killed	% preferred	Study
<i>Black-backed jackal</i>										
Botswana	Northern Tuli Game Reserve	1988		11	106	8	0	1	0.0%	(McKenzie, 1990)
Namibia	Sandwich Harbour	1983		15	122	3	1	3	33.3%	(Nel et al., 1997) ⁷
		1989			225	3	1	2	33.3%	As above
	Skeleton Coast National Park	1982-1985	Summer	17	187	3	2	2	66.7%	As above
		1982-1985	Winter		167	3	2	3	66.7%	As above
South Africa	Addo Elephant National Park	2004-2005	Autumn	1	175	7	1	4	14.3%	(de Klerk, 2005) ⁸
		2004-2005	Spring		180	7	1	4	14.3%	As above
		2004-2005	Summer		160	8	2	5	25.0%	As above
		2004-2005	Winter		180	8	2	5	25.0%	As above
	Benfontein Game Farm	2006	Autumn	2	57	8	2	3	25.0%	(Klare et al., 2010) ¹
		2006	Spring		89	8	0	3	0.0%	As above
		2006-2007	Summer		74	8	0	4	0.0%	As above
		2006	Winter		93	8	0	4	0.0%	As above
	Giant's Castle National Park	1980	Annual	3	70	11	2	6	18.2%	(Rowe-Rowe, 1983) ⁹
	Grasslands-Kentucky Farm	2004	Annual	4	45	7	4	6	57.1%	(Do Linh San et al., 2009)
Great Fish River Reserve	2009	Annual	5	59	10	3	5	30.0%	(Forbes, 2011)	
	2009	Autumn		72	10	1	3	10.0%	(Brassine and Parker, 2011)	
	2009	Spring		69	10	3	5	30.0%	As above	

	2009-2010	Summer		71	10	3	5	30.0%	As above
	2009	Winter		83	10	3	4	30.0%	As above
Kimberley Farm	2006	Autumn	6	47	10	4	7	40.0%	(Kamler et al., 2012)
	2006	Spring		52	10	3	8	30.0%	As above
	2006	Winter		44	10	2	6	20.0%	As above
Kruger National Park	1969	Annual	7	138	23	4	7	17.4%	(Pienaar, 1969)
Kwandwe Game Reserve	2009	Autumn	8	66	11	3	5	27.3%	(Brassine and Parker, 2011)
	2009	Spring		42	11	4	5	36.4%	As above
	2009	Summer		38	11	3	6	27.3%	As above
	2009	Winter		55	11	3	4	27.3%	As above
Mankwe Game Reserve	2010	Winter	9	50	16	2	7	12.5%	(Yarnell et al., 2013) ²
Mokolodi Nature Reserve	1995-1996	Autumn	10	53	5	0	2	0.0%	(Kaunda and Skinner, 2003)
	1995-1996	Spring		54	5	0	4	0.0%	As above
	1996-1997	Summer		38	5	1	4	20.0%	As above
	1996-1997	Winter		58	5	0	2	0.0%	As above
Pilanesberg National Park	2010	Winter	12	50	20	6	8	30.0%	(Yarnell et al., 2013)
Retreat Farm	2004	Annual	13	64	7	3	6	42.9%	(Do Linh San et al., 2009)
Rooiport Nature Reserve	2006	Autumn	14	123	15	5	7	33.3%	(Klare et al., 2010)
	2006	Spring		100	14	6	9	42.9%	As above
	2006-2007	Summer		118	14	4	8	28.6%	As above
	2006	Winter		181	14	1	5	7.1%	As above
Shamwari Game Reserve	2009-2010	Annual	16	163	27	3	5	11.1%	(Forbes, 2011) ³
Timbavati Game Reserve	1964		18	44	7	1	2	14.3%	(Hirst, 1969)
	1965			25	7	2	3	28.6%	As above
	1966/7			13	7	1	0	14.3%	As above

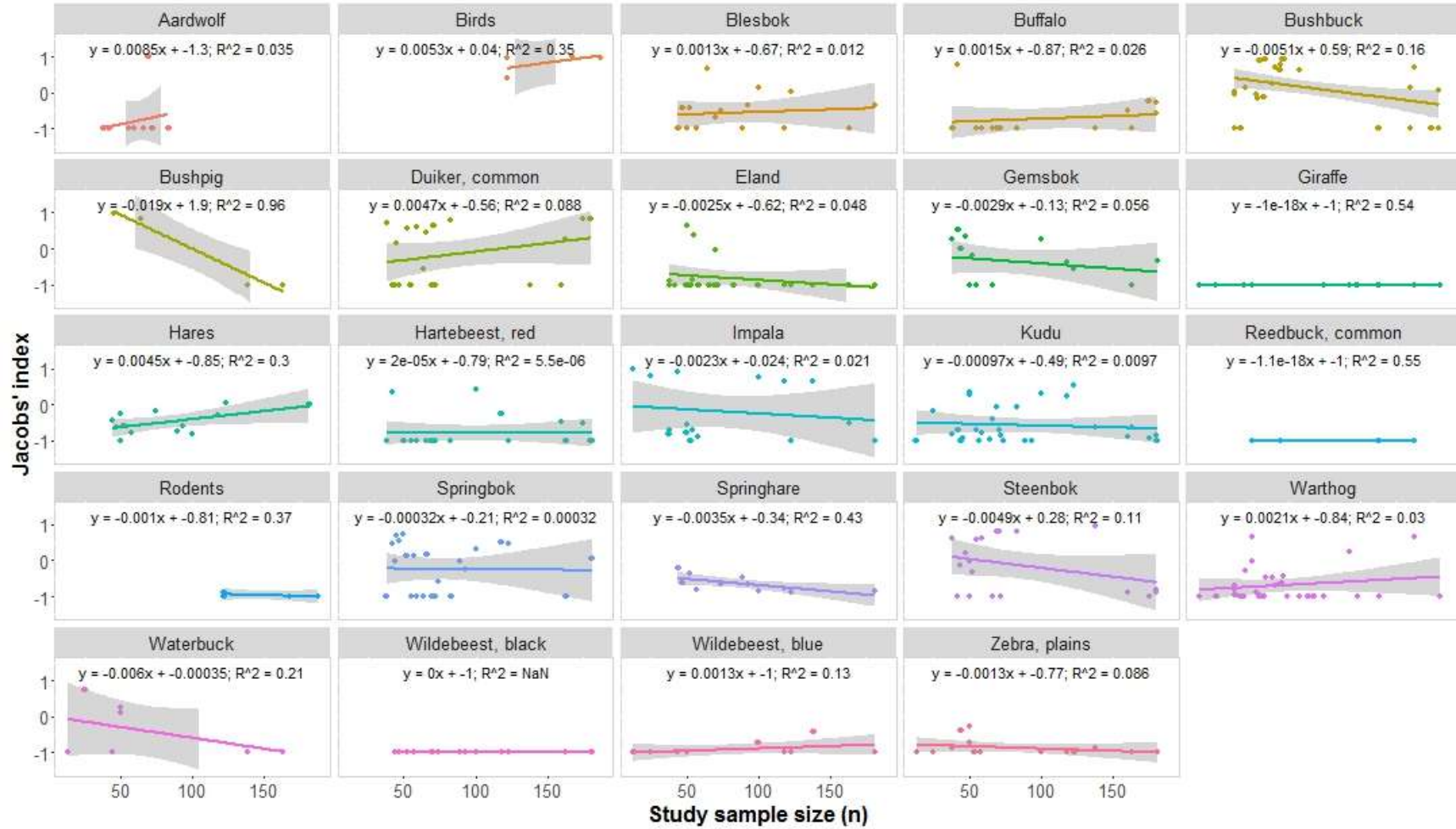
<i>Eurasian golden jackal</i>										
Hungary	Lábod region	2012	Annual	24	26	5	4	5	80.0%	(Lanszki et al., 2015) ⁴
		2013	Annual		36	5	4	5	80.0%	As above
	Mike-Csököly	1997	Winter	25	94	5	1	5	20.0%	(Lanszki and Heltai, 2002)
	Ormánság region (interannual)	2001	Annual	19	99	4	1	3	25.0%	(Lanszki and Heltai, 2010)
		2002	Annual		95	4	2	4	50.0%	As above
		2003	Annual		71	4	1	4	25.0%	As above
	Ormánság region (seasonal)	2004	Annual		94	4	2	4	50.0%	As above
		2001-04	Autumn	26	86	5	2	5	40.0%	(Lanszki et al., 2006)
		2001-04	Spring		92	5	3	5	60.0%	As above
		2001-04	Summer		80	5	3	5	60.0%	As above
	Vajszló area	2001-04	Winter		94	5	1	5	20.0%	As above
		2010	Annual	34	95	6	1	6	16.7%	J. Lanszki (<i>Unpubl. data</i>) ⁴
		2011	Annual		181	6	2	6	33.3%	As above
		2012	Annual		97	6	1	4	16.7%	As above
	India	Eravikulam National Park	1979-81		20	139	4	0	3	0.0%
Pench Tiger Reserve		2008-2009		27	55	5	2	5	40.0%	(Majumder et al., 2011) ⁵
Sariska Tiger Reserve		2007-2009	Summer	28	160	8	4	8	50.0%	(Gupta, 2011)
		2007-2009	Winter		114	8	3	8	37.5%	As above
		2010-11		29	157	8	4	8	50.0%	(Mondal et al., 2012) ⁶
Van Vihar National Park		2014		30	200	5	1	4	20.0%	(Prerna et al., 2015a, b)
Velavadar National Park		2000		31	85	4	2	4	50.0%	(Aiyadurai and Jhala, 2006)
Serbia	Surcin	2004-13		32	93 ^ξ	7	2	3	28.6%	(Aleksandra and Duško, 2015)
	Veliko Gradiste	2004-13		33	201 ^ξ	4	2	4	50.0%	As above

¹ Hare and springhare density from Stenkowitz *et al.* (2010); ² Prey availability from R. Yarnell (*unpubl. data*); ³ Prey availability from J. O'Brien (*unpubl. data*); ⁴ Small mammal availability was from J. Laszlo (*unpubl. data*). ⁵ Prey availability from Biswas *et al.* (2002); ⁶ Prey availability from Sankar *et al.* (2010) and Gupta (2011); ⁷ Prey availability from Nel *et al.* (2013); ⁸ Prey availability from Hayward *et al.* (2007); ⁹ small mammals excluded due to inadequate population estimates; ^ε Stomach contents

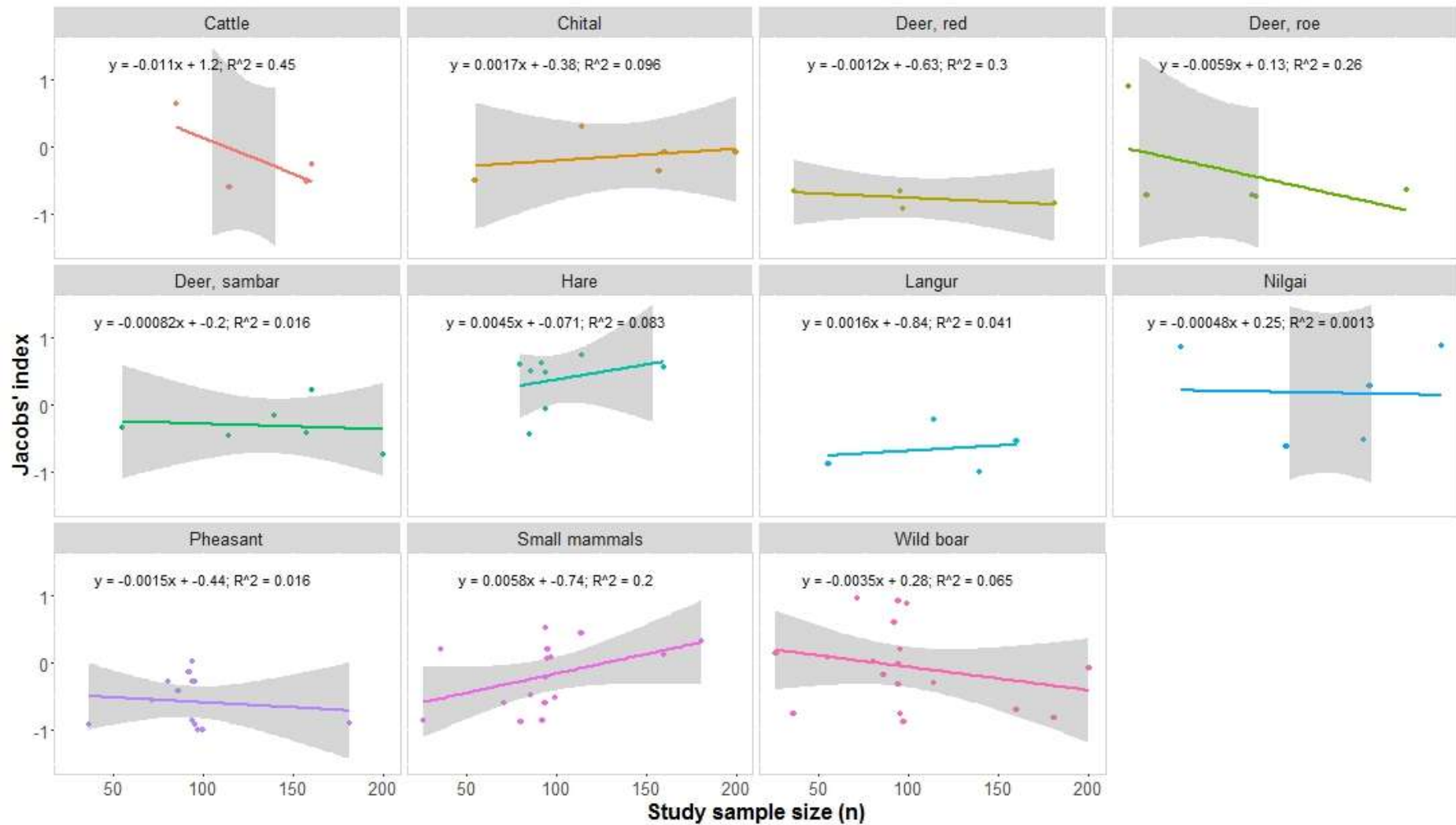
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Supplementary Fig. 1. Relationships between black-backed jackal prey preferences and sample size for all prey species.



Supplementary Fig. 2. Relationships between golden jackal prey preferences and sample size for all prey species. There is no effect of sample size on prey preferences of golden jackals.